

General Offices/3M

3M Center
St. Paul, Minnesota 55144-1000
(612) 733-1110

01-02
887

REC'D AUG 27 1987

**MATERIAL SAFETY
DATA SHEET**



DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: SCOTCH-WELD(TM) Structural Adhesive Film
AF-202
3M I.D. NUMBER: 62-1646-3905-6 62-1646-4701-8 62-1646-5501-1

ISSUED: JANUARY 14, 1987
SUPERSEDES: FEBRUARY 21, 1986
DOCUMENT: 10-5384-2

1. INGREDIENTS		C.A.S. NO.	PERCENT	EXPOSURE LIMITS
butadiene/acrylonitrile copolymer	N/A		N/D	5
phenolic resin	N/A		N/D	5
dihydrazide curative	N/A		N/D	5
zinc oxide	N/A		N/D	5
treated clay	N/A		N/D	5
sulfur	N/A		N/D	5
accelerator	N/A		N/D	5
TOTAL OF THE ABOVE	N/A		56.0	N/D
amorphous silicon dioxide	7631-86-9		2.0	5 mg/m3
epoxy resin	N/A		42.0	N/D

- SOURCE OF EXPOSURE LIMIT DATA:**
1. ACGIH Threshold Limit Values
 2. Federal OSHA Permissible Exposure Limit
 3. 3M Exposure Guidelines
 4. Chemical Manufacturer Recommended Guidelines
 5. None Established

ABBREVIATIONS:
N/D - Not Determined
N/A - Not Applicable

2. PHYSICAL DATA	
BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY (Air=1):	N/A
EVAPORATION RATE (Ether=1):	N/A
APPEARANCE AND ODOR:	White and tan film -- epoxy odor
SOLUBILITY IN WATER:	Not soluble
SP. GRAVITY (Water=1):	N/A
PERCENT VOLATILE:	0.0%
VISCOSITY:	Film adhesive
pH:	N/A

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Closed Cup): N/A
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:

Water, CO2, foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

CONDITIONS TO AVOID: Store at 40F or cooler. Allow material to return to room temperature before use.

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or burning may produce SO2, C, H, and N decomposition products.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

Observe precautions in all sections. Collect spilled material and place in a metal container (U.S. Dept. of Transportation approved if material is to be shipped).

RECOMMENDED DISPOSAL:

UNCURED WASTE: Incinerate waste/bulk product in an industrial or commercial facility. CURED WASTE: Dispose in a sanitary landfill. Disposal should be in accordance with applicable regulations.

ENVIRONMENTAL DATA:

N/D

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Flush eyes with plenty of water for at least 10 minutes. If irritation persists, call a physician.

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Remove individual to fresh air.

IF SWALLOWED:

Call a physician.

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7. PRECAUTIONARY INFORMATION

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Avoid eye and skin contact. Avoid prolonged breathing of vapors. Use only in areas adequately ventilated with enough air movement to remove vapors and prevent vapor buildup. Curing ovens should be vented to the outdoors. Store at 40F or cooler. Allow material to return to room temperature before using. Avoid excessive handling of film. Avoid inhalation of, or eye contact with dust from grinding, sawing and cutting operations on the cured adhesive.

NOTE: Utilize personal protective equipment when handling this product, i.e. lint-free gloves and safety glasses.

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8. HEALTH HAZARD DATA

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EYE CONTACT: May cause mechanical irritation.

SKIN CONTACT: May cause skin irritation. May cause allergic skin reaction in certain individuals on repeated exposure.

INHALATION: Vapor overexposure from heated material and dust from grinding cured adhesive may cause respiratory system irritation.

INGESTION: None expected -- Solid Film.

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.